

## 2020 CERTIFICATION

Consumer Confidence Report (CCR)

City of Waveland Public Water System Name

0230002

List PWS ID #s for all Community Water Systems included in this CCR

The Federal Safe Drinking Water Act (SDWA) requires each Community Public Water System (PWS) to develop and distribute a Consumer

the customers, published in a newspaper of local circulation, or provide procedures when distributing the CCR.		
CCR DISTRIBUTION (CI	neck all boxes that apply.)	
INDIRECT DELIVERY METHODS (Attach copy of publication, wa	ter bill or other)	DATE (SSUED)
□ Advertisement in local paper (Attach copy of advertisement)		
_a∕On water bills (Attach copy of bill)		
□ Email message (Email the message to the address below)		
Fother 15t floor City Hall		
DIRECT DELIVERY METHOD (Attach copy of publication, water)	bill or other)	DATEISSUED
□ Distributed via U. S. Postal Mail		8
□ Distributed via E-Mail as a URL (Provide Direct URL):		
□ Distributed via E-Mail as an attachment		
□ Distributed via E-Mail as text within the body of email message		
□ Published in local newspaper (attach copy of published CCR or	proof of publication)	
□ Posted in public places (attach list of locations)		
Posted online at the following address (Provide Direct URL):	veland ms.90	<u> </u>
	ICATION ers of this public water system in t  . I further certify that the informati	on included in this CCR is true y the MSDH, Bureau of Public
	Select one method ONLY)	
You must email, fax (not preferred), or mail a		
Mail: (U.S. Postal Service)	Email: water.reports@msdh.ms.	gov
MSDH, Bureau of Public Water Supply P.O. Box 1700	Fax: (601) 576-7800	(NOT PREFERRED)

Jackson, MS 39215

**CCR DEADLINE TO MSDH & CUSTOMERS: BY JULY 1, 2021** 

# 2020 Drinking Water Quality Report City of Waveland PWS 0230002

#### Is my water safe?

We are pleased to present this year's Annual Water Quality Report (Consumer Confidence Report) as required by the Safe Drinking Water Act (SDWA). This report is designed to provide details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. This report is a snapshot of last year's water quality. We are committed to providing you with information because informed customers are our best allies.

#### Do I need to take special precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

#### Where does my water come from?

Our water source is from wells drawing from the Graham Ferry Formation Aquifer.

#### Source water assessment and its availability

The source water assessment ranks our water supply as moderate for susceptibility to contamination. This report is available in the office.

#### Why are there contaminants in my drinking water?

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that

water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (800-426-4791). The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity:

microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses; organic Chemical Contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems; and radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

#### How can I get involved?

If you have any questions concerning your drinking water, please contact Mickey Lagasse at 228-467-4134

#### **Description of Water Treatment Process**

Your water is treated by disinfection. Disinfection involves the addition of chlorine or other disinfectant to kill dangerous bacteria and microorganisms that may be in the water. Disinfection is considered to be one of the major public health advances of the 20th century.

#### Results of voluntary monitoring

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", MS0230002 is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year in which average fluoride sample results were within the optimal range of 0.6-1.2 ppm was 12. The percentage of fluoride samples collected in

previous calendar year was within the optimal range of 0.6 - 1.2 ppm was 88%.

#### Additional Information for Lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. City of Waveland is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead.

## **Water Quality Data Table**

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of contaminants in water provided by public water systems. The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. Although many more contaminants were tested, only those substances listed below were found in your water. All sources of drinking water contain some naturally occurring contaminants. At low levels, these substances are generally not harmful in our drinking water. Removing all contaminants would be extremely expensive, and in most cases, would not provide increased protection of public health. A few naturally occurring minerals may actually improve the taste of drinking water and have nutritional value at low levels. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. As such, some of our data, though representative, may be more than one year old. In this table you will find terms and abbreviations that might not be familiar to you. To help you better understand these terms, we have provided the definitions below the table.

Contaminants	MCLG or MRDLG	TT, or	Your		nge High	Sample Date	Violation	Typical Source
Disinfectants & Disin	ifection By-	Product	S					
(There is convincing e	vidence that	addition	of a disi	nfecta	nt is n	ecessary 1	for control o	of microbial contaminants)

			Dete		nge			, W. 1
Contaminants	MCLG or MRDLG	MCL TT, or MRD	r You	ır	High	Sampl Date	e Violation	Typical Source
Chlorine (as Cl2) (ppm)	4	4	1	.6	2.9	2020	No	Water additive used to control microbes
Haloacetic Acids (HAA5) (ppb)	NA	60	30	NA	NA	2020	No	By-product of drinking water chlorination
TTHMs [Total Trihalomethanes] (ppb)	NA	80	63.	7 NA	NA	2020	No	By-product of drinking water disinfection
Inorganic Contamina	nts							
Barium (ppm)	2	2	.015	57 NA	NA	2018	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Chromium (ppb)	100	100	4.4	l NA	NA	2018	No	Discharge from steel and pulp mills; Erosion of natural deposits
Contaminants	MCL	G AL	Your Water	Sample Date	Exce	nples eding L	Exceeds AL	Typical Source
Inorganic Contamina	nts							
Copper - action level at consumer taps (ppm)	1.3	1.3	.2	2016	(	)	No 1	Corrosion of household plumbing systems; Erosion of natural deposits
Lead - action level at consumer taps (ppb)	0	15	2	2016	(	)	No ]	Corrosion of household plumbing systems; Erosion of natural deposits

# **Additional Contaminants**

In an effort to insure the safest water possible the State has required us to monitor some contaminants not required by Federal regulations. Of those contaminants only the ones listed below were found in your water.

Contaminants	State MCL	Your Water	Violation	Explanation and Comment
SODIUM	250000 PPB	160000 PPB	l No	LIKELY SOURCE OF CONTAMINATION: erosion of natural deposits

WI-24	Danaus	
Unit	Descr	ptions

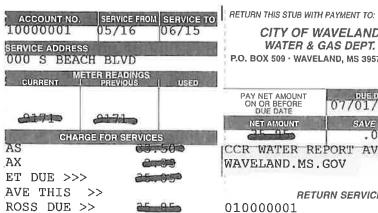
Init Descriptions	
Term	Definition
ppm	ppm: parts per million, or milligrams per liter (mg/L)
ppb	ppb: parts per billion, or micrograms per liter (μg/L)
NA	NA: not applicable
ND	ND: Not detected
NR	NR: Monitoring not required, but recommended.

Important Drin	king Water Definitions
Term	Definition
MCLG	MCLG: Maximum Contaminant Level Goal: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
MCL	MCL: Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
ТТ	TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.
AL	AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
Variances and Exemptions	Variances and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions.
MRDLG	MRDLG: Maximum residual disinfection level goal. The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
MRDL	MRDL: Maximum residual disinfectant level. The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
MNR	MNR: Monitored Not Regulated
MPL	MPL: State Assigned Maximum Permissible Level

## For more information please contact:

Contact Name: Mickey Lagasse Address: 301 Coleman Ave.

Waveland, MS 39576 Phone: 228-467-4134



CITY OF WAVELAND WATER & GAS DEPT.

P.O. BOX 509 · WAVELAND, MS 39576-0509

PRESORTED FIRST-CLASS MAIL U.S. POSTAGE PAID PERMIT NO. 26 BAY ST. LOUIS, MS

PAY NET AMOUNT ON OR BEFORE DUE DATE 07/01/2021 PAY GROSS AMOUNT AFTER DUE DATE SAVE THIS GROSS AMOUNT THUOMA THE

CCR WATER REPORT AVAILABLE @ WAVELAND.MS.GOV

RETURN SERVICE REQUESTED

010000001 SILVER SLIPPER

C/O JOHN PERROCES

5000 S BEACH BLVD BAY ST LOUIS MS 39520-9775

#### 2019 Drinking Water Quality Report City of Waveland PWS 0230002

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#### Water Quality Data Table

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Contact Name: Mickey Lugasse Address 301 Coleman Ave Waveland, MS 19576